

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
27 October 2005 (27.10.2005)

PCT

(10) International Publication Number
WO 2005/100664 A1

(51) International Patent Classification⁷: **D05B 23/00**

(74) Agents: MANNUCCI, Gianfranco et al.; Ufficio Tecnico
Ing. A. Mannucci S.r.l., Via della Scala, 4, I-50123 Firenze
(IT).

(21) International Application Number:
PCT/IT2005/000137

(22) International Filing Date: 14 March 2005 (14.03.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
FI2004A000090 16 April 2004 (16.04.2004) IT
FI2004A000259 10 December 2004 (10.12.2004) IT
PCT/IT2005/000036 25 January 2005 (25.01.2005) IT

(71) Applicant (for all designated States except US):
GOLDEN LADY COMPANY S.P.A. [IT/IT]; Via
Cavallotti 11, I-60035 Jesi, Ancona (IT).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **GRASSI, Nerino**
[IT/IT]; Via Solferino 55, I-46043 Castiglione Stiviere,
Mantova (IT). **MAGNI, Antonio** [IT/IT]; Viale Gagny 58,
I-50028 Tavarnelle val di Pesa_Firenze (IT).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ,
TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA,
ZM, ZW.

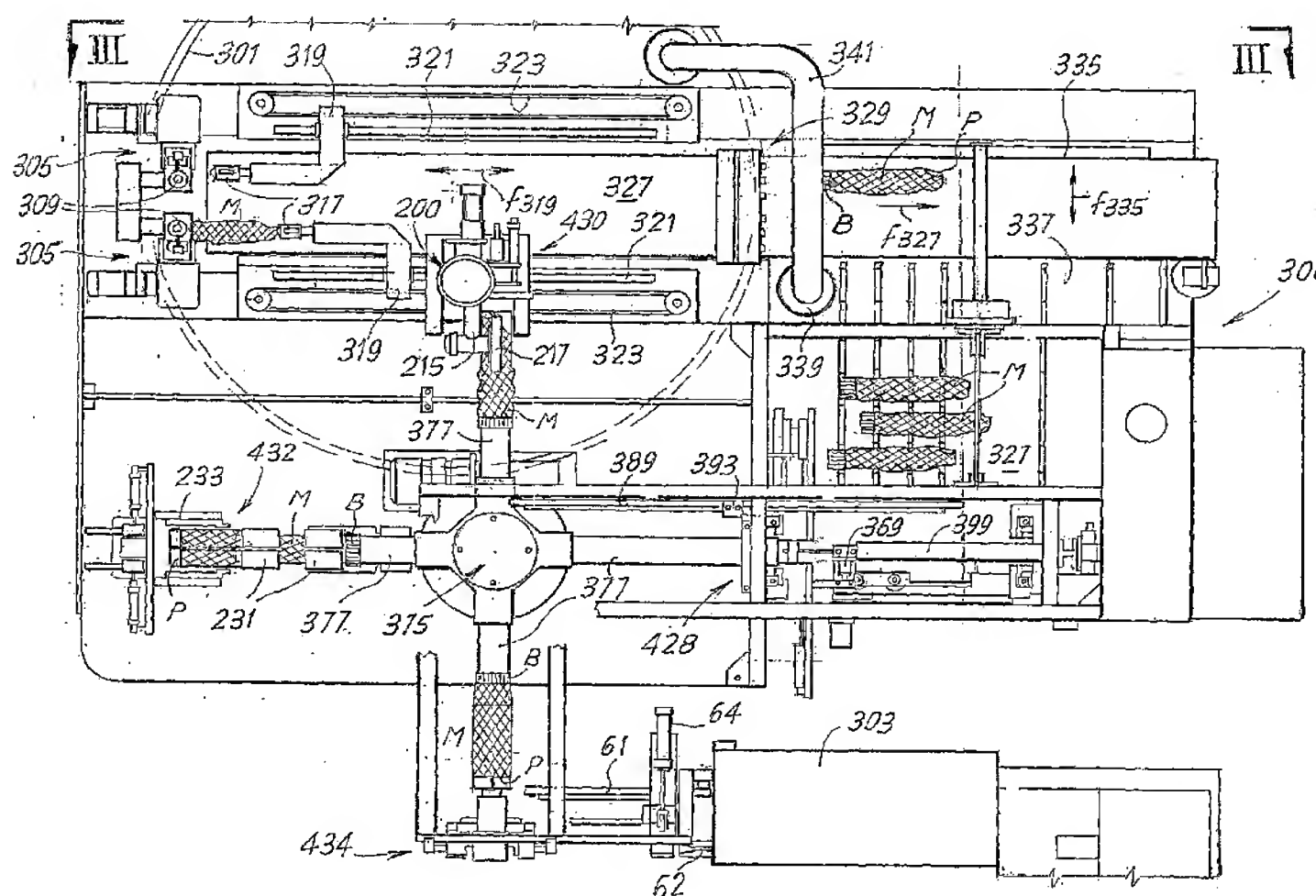
(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

— as to the applicant's entitlement to claim the priority of the
earlier application (Rule 4.17(iii)) for all designations

[Continued on next page]

(54) Title: MACHINE FOR HANDLING TUBULAR KNITTED ARTICLES, SUCH AS SOCKS OR THE LIKE



(57) Abstract: The machine comprises: at least one tubular member (377) to transport the articles (M); a container (301) in which said articles are placed in bulk; pick-up members (305) to pick up individual articles from said container; a feed path of the articles; detection means (329) to identify the orientation of the articles along said path; a stretching device to stretch open an end of an article and load said article onto said tubular member. Also provided are members (341) to discard articles oriented with the first end farther forward than the second end with respect to the direction of feed of the article along said path, and to feed toward said stretching device articles oriented with the second end farther forward than the first end with respect to said direction of feed.

WO 2005/100664 A1



Published:

— *with international search report*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.